

### Abstract

Lipid-protein-sugar particles (LPSPs) are provided as a vehicle for drug delivery. Any therapeutic, diagnostic, or prophylactic agent may be encapsulated in a lipid-protein-sugar matrix to form microparticles. Preferably the diameter of the LPSP ranges from 50 nm to 10

5 micrometers. The particles may be prepared using any known lipid (*e.g.*, DPPC), protein (*e.g.*, albumin), or sugar (*e.g.*, lactose). Methods of preparing and administering the particles are also provided. Methods of providing a nerve block are also provided by administering LPSPs with a local anesthetic (*e.g.*, bupivacaine) within the vicinity of a nerve.

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